



आरत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY



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No. 47] NEW DELHI, SATURDAY, NOVEMBER 23, 1991 (AGRAHAYANA 2, 1913)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 23rd November 1991

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

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Karnataka, Kerala, Tamilnadu,
and the Union Territories of
Pondicherry, Laccadive,
Minicoy and Amindivi Islands.

Telegraphic address "PATENTOFIS"

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O.
Building, 5th, 6th and 7th
Floor, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India

Telegraphic Address "PATENTS"

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and the Union Territories of Goa, Daman and Diu
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Municipal Market Building,
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New Delhi-110 005.

The States of Harayana,
Himachal Pradesh, Jammu and Kashmir,
Punjab, Rajasthan and Uttar Pradesh
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and Delhi

Telegraphic address "PATENTOFIC"

All applications, notices, statements or other documents or
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Rules, 1972 will be received only at the appropriate Offices
of the Patent Office.

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sent by Money Order or Postal Order payable to the Control-
ler at the appropriate Offices or by bank draft or cheque, pay-
able to the Controller drawn on a scheduled bank at the place
where the appropriate office is situated.

पेटैंट कार्यालय
एकत्र तथा अर्भिकल्प
कलकत्ता, दिनांक 23 नवम्बर 1991

पेटैंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटैंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवधित है तथा
बम्बई, विल्ली एवं भद्रास में इसके शास्त्र कार्यालय हैं, जिनके
प्रादीशिक क्षेत्राधिकार जौन के आधार पर निम्न रूप में प्रदर्शित
हैं—

पेटैंट कार्यालय शास्त्र, टोडी हस्टेट
तीसरा तल, लोअर परल (पश्चिम),
बम्बई-400013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा
दिव एवं बाबरा और नगर हवेली।

तार पता—“पेटैंटोफिस”

पेटैंट कार्यालय शास्त्र,
एक सं. 401 से 405, तीसरा तल,
नगरगणितिक बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई विल्ली-110005

हिमाचल प्रदेश, उम्म तथा कर्मीर,
पंजाब, राजस्थान तथा लखन प्रदेश गाज़ियाँबाहू
एवं संघ एसिस्ट क्षेत्र चंडीगढ़ तथा विल्ली।

तार पता—“पेटैंटोफिस”

CORRIGENDUM

In the Gazette of India, Part III, Sec. 2, dated 9th November, 1991 for accepted complete specification No. 169546, read Ind. Cl. as 32F₁, deleting CO7d 319/00 and in Int. Cl. read CO7d 319/00 after CO7c 102/02.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, AC²ARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed Under Section 135, of the Patents Act 1970.

The 11th October, 1991

766/Cal/91 Samopower Ov. METHOD and apparatus for strating a displacer engine hydraulically.

767/Cal/91 Jainendra Kumar Singh. Improved window stay.

768/Cal/91 Vilav Vithaldas Merchant. Improved weather resistant plastic articles normally used outdoors such as mail boxes.

769/Cal/91 General Electric Company. Advanced High-Temperature brazing alloys and related process.

770/Cal/91 Trutzschler GmbH & Co. Kg., A device for the sealing of a rotating fibre feed roller of a spinning mill processing machine eg. carding machine card, card feeder, Cleaner.

771/Cal/91 Licensia Patent-Verwaltungs-Gmbh. Electromagnetic Vibration Regulator.

पेटैंट कार्यालय शास्त्र,
61, बालाजाह रोड
भद्रास-600002

आन्ध्र प्रदेश, कर्नाटक, केरल, हमिलनाडु, राज्य
क्षेत्र एवं संघ शासित क्षेत्र पापिङ्गवरी, लक्षद्वीप,
मिनिकाय तथा एमिनिदिवि द्वीप।

भार पता—“पेटैंटोफिस”

पेटैंट कार्यालय (प्रधान कार्यालय)
निजाम पैलेस, दिवतीय बहुतलीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आषार्य जगदीश बोस रोड,
कलकत्ता-700020

भारत का अवशेष क्षेत्र।

तार पता—“पेटैंटस”

पेटैंट अधिनियम, 1970 या पेटैंट नियम, 1972 में अप्रिक्त सभी आवेदन पत्र, सचिनार्थ, विवरण या अन्य प्रलेख पेटैंट कार्यालय के क्षेत्र उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शल्क—शल्कों की अवायवी या तो नकद की जाती भवता उपयुक्त कार्यालय में नियंत्रक के भृगतान योग्य धनादेश अवश्य हाल अप्लोड या जब्त लगान कार्यालय अप्रियता है। अन्य मान गे अन्यथा इन से नियंत्रक को भृगतान योग्य बैंक लाप्ट अधिक दबारा की जा सकती है।

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH MINCIPAL MARKET BUILDING III-A FLOOR KAPOL BAGH, NEW DELHI-110005

The 15th July, 1991

626/Del/91 Shell Oil Co. "A process for preparing a solid catalyst component for use in the polymerization of olefins". [Divisional date 22nd April, 1988].

627/Del/91 Societe De Conseils De Recherches Et D' Applications Scientifiques (S.C.R.A.S.), "Preparation process of sustained release compositions and the compositions thus obtained". [Convention date 1st August 90 (U.K.)].

628/Del/91 The Goodyear Tire & Rubber Co., "Shoulder reinforcement for radial ply tire".

629/Del/91 Linha Lyonnaise Industrielle Pharmaceutique, "Substituted sulfonamides, process of preparation and medicines containing same".

The 16th July, 1991

630/Del/91 Harkishan Singh & Others, "Process for the preparation of 17B-dimethylamino-5-dimethylaminomethyl-3-norrolidin-5-ox-androstane trimethiodide (HS-1166)".

631/Del/91 The Procter & Gamble Co., "Stabilized, bleach containing, liquid detergent compositions". (Convention date 26th July, 90) (U.K.).

632/Del/91 BASF Lacke + Farben Aktiengesellschaft, "Process for the production of closures for packaging containers".

633/Del/91 Edap International, "Ultra-high-speed extracorporeal ultrasound hyperthermia treatment device".

634/Del/91 Telefonica De Espana, S.A., "Telecomputer package switching system".

The 17th July, 1991

635/Del/91 Shriram Refrigeration Industries Ltd., "An improved room air conditioner".

636/Del/91 Isher Singh Gill, "Improvement in cigarettes, cigars and the like".

637/Del/91 International Mobile Machines Corporation, "A base station in a subscriber communication network". [Divisional date 13th April, 1988].

The 18th July, 1991

638/Del/91 Ranbir Singh, "A modified anchored earth structure".

639/Del/91 Kameshwar Nath Mallik, "A process for the preparation of a herbal concentrate".

640/Del/91 Indian Council of Medical Research, "A process for preparation of polyacrylic acid."

641/Del/91 Indian Council of Medical Research, "A process for preparation of polyacrylic acid."

642/Del/91 Indian Council of Medical Research, "A process for preparation of polyacrylic acid."

643/Del/91 Indian Council of Medical Research, "A process for preparation of polyacrylic acid."

644/Del/91 Ganesh Scientific Research Foundation, "A process for the preparation of a product similar to bengal gram flour (Besan)".

645/Del/91 Shriram Institute for Industrial Research, "A process for the preparation of polymer cement".

646/Del/91 Dan Merritt & Other, "Internal combustion engine". (Convention date 23rd July, 90, 19th February, 91 and 23rd March, 91) (U.K.)

The 19th July 1991

647/Del/91 Council of Scientific & Industrial Research, "An improved process for the isolation of artemisinin from artemisia annua".

648/Del/91 Council of Scientific & Industrial Research, "A method of preparation of segmented co-polymer amide-ester type".

649/Del/91 Council of Scientific & Industrial Research, "An improved method for the preparation of benzoquinone and hydroquinone by oxidation of phenol".

650/Del/91 Council of Scientific & Industrial Research, "An improved process for the preparation of nicotine sulphate from nicotine".

651/Del/91 Council of Scientific & Industrial Research, "A process for the preparation of novel borosilicate catalyst composite material".

652/Del/91 Council of Scientific & Industrial Research, "Novel composite catalysts containing transitional and alkaline earth metal oxides useful for oxidative conversion of methane (or natural gas) to carbon monoxide and hydrogen (or synthesis gas)".

653/Del/91 Council of Scientific & Industrial Research, "An improved process for the production of synthesis gas by oxidative conversion of methane (or natural gas) using composite catalyst containing transitional and alkaline earth metal oxides".

654/Del/91 Council of Scientific & Industrial Research, "An improved process for the preparation of lignin-phenol-formaldehyde resin used as an adhesive for the preparation of composites such as particle boards/laminates".

655/Del/91 Council of Scientific & Industrial Research, "A process for the inactivation of rice bran lipolytic enzyme by microwaves for low free fatty acid (FFA) bran oil".

656/Del/91 Smiths Industries Medical Systems Inc, "Safety needle container".

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61 WALLAJAH ROAD, MADRAS-600 002

The 9th September, 1991

673/MAS/91 C. Selvakumar. Quartz-timer.

674/MAS/91 Ramachandran Associates. A casting mould for the continuous casting of thin sections of a castable material.

675/MAS/91 Kataoka Bussan Kabushiki Kaisha. Method and apparatus for making triangular pyramidal tea bags.

676/MAS/91 Thompson Devices, Inc. Emission control device for fuel injection and carbureted engines.

677/MAS/91 The Post Office. Phosphorescent Material. (Divisional to Patent No. 78/MAS/88).

The 10th September, 1991

678/MAS/91 Avny Industries Corporation Spolka Z.O.O. Methods and chemo-thermal reactor apparatus for extracting mineral values from particulate materials.

679/MAS/91 Avny Industries Corporation Spolka Z.O.O. Methods and pneumo-gravitational separation apparatus for extracting mineral values from particulate materials.

680/MAS/91 Girivas Viswnath Shet (India) Mysore Sandal Products. A method of depicting a picture of Lord Guruvayoorappan, Guru-Vayu Krishna Darshan.

681/MAS/91 Maschinenfabrik Rieter Ag. Method and apparatus for plug loosening after texturing.

682/MAS/91 Battelle Memorial Institute. Packaging Thermoplastics from lactic acid.

683/MAS/91 International Business Machines Corporation. Method and apparatus maintaining cache integrally whenever a CPU write to rom operation is performed with rom mapped to ram.

The 11th September, 1991

684/MAS/91 Matrix Materials Limited. Process and apparatus for the production of lattice structures in composite materials.

685/MAS/91 Maschinenfabrik Rieter AG. Grid for the opening roller of a spinning machine.

686/MAS/91 Minnesota Mining and Manufacturing Company. A signal transmission component and a process for filling an enclosure. (Divisional to Patent Application No. 151/MAS/88).

687/MAS/91 SMS Schlofmann-Siemag Aktiengesellschaft. Apparatus for replacing pressing dies in upsetting press.

688/MAS/91 International Business Machines Corporation. Superconducting field-effect transistors with inverted misfit structure and method for making the same.

689/MAS/91 International Business Machines Corporation. Personal computer with dissociated keyboard.

The 13th September, 1991

690/MAS/91 M. Viswanathan. Microprocessor based electronic circuit for fuel flow rate and totalized volume indicator.

691/MAS/91 Himont Incorporated. Olefin polymer films.

692/MAS/91 Hoogovens Groep BV. Control system for operating a rolling mill.

693/MAS/91 CTB, INC. Poultry feeder.

OPPOSITION PROCEEDINGS

The Opposition entered by M/s. Bajaj Auto Limited to grant of Patent on the application for Patent No. 165107 as notified in Gazette of India Part III, Section 2, dated 31st August, 1991 is deemed to have not been launched and patent has been ordered to be sealed on the application.

OPPOSITION PROCEEDINGS

The Opposition entered by M/s. Trade & Industry Private Limited to the grant of a patent on application No. 168078 made by Shri Hariprasad Prasanna, Madras as notified in Part III, Section 2, of the Gazette of India dated 24th August, 1991 could not proceed further, as the applicant has withdrawn his application.

PATENT SEALED

167107. 167479. 167486. 167775. 167786. 167806. 167809.
167811. 167812. 167813. 167814. 167815. 167816. 167817.
167818. 167819. 167820. 167841. 167842. 167843. 167845.
167848. 167876. 167877. 167878. 167879. 167880. 167881.
167882. 167883. 167885. 167886. 167951. 168117. 168165.

Cul—04

Del—03

Mas—27

Bom—01

RENEWAL FEES PAID

149122. 149280. 150973. 153873. 156180. 156551. 157187.
15/188. 157189. 157425. 158204. 161200. 161333. 161654.
161890. 162048. 162137. 162222. 162234. 162235. 162279.
162334. 162761. 162779. 163138. 163256. 163546. 163760.
164/94. 165071. 165121. 165234. 165307. 165309. 165783.
165872. 165877. 166016. 166273. 166393. 166394. 166510.
166573. 166576. 166596. 166676. 166699. 166700. 166814.
166817. 166868. 166869. 166891. 166893. 166894. 166895.
166990. 166992. 166948. 166949. 166950. 166956. 166959.
166973. 166989. 166991. 167041. 167044. 167052. 167134.
16/171. 16/187. 167197. 167200. 167317. 167318. 167331.
167336. 167337. 167338. 167594.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

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स्वीकृत सम्पूर्ण विनिवेश

एतद्वाया यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पट्ट अनुकूल का विरोध करने के इच्छुक कोई व्यक्ति, इसके नियम की तिथि से 4 महीने या अधिक एसी अवधि जो उक्त 4 महीने को अधिक का समाप्त के पूर्व पट्ट नियम, 1972 के तहत। बाहर प्रपत्र 14 पर आवौदत एक महीने का अधिक स आधिक न है, के भीतर कभी भी नियशक, एकस्व का एस। विरोध की सूचना विविहत वक्तव्य, उक्त सूचना के साथ अथवा पट्ट नियम, 1972 के नियम 36 म यथा। बाहर इसकी तिथि के एक महीने के भीतर ही फाले। किए जान चाहए।

"प्रत्येक विनिवेश के सदर्भ में नीचे दिए गए वर्गीकरण, भारतीय वगाकरण तथा अहर-राष्ट्रीय वर्गीकरण के अनुरूप है।"

नीचे सूचीभूत विनिवेश को सी। मत सख्तक मूँद्रत प्रतियां, भारत सरकार बृक डिपा, 8 किरण शक्ति राय राड, कलकत्ता में विक्रय हतु यथा समय उपलब्ध होगी। प्रत्येक विनिवेश का मूल्य 2/- रु. है (अतिरिक्त डाक खर्च)। भुग्ति विनिवेश को आपूर्त हतु मात्र पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिवेश का सख्त संलग्न रहनी चाहए।

स्वाक्षण (चत्र आरेंसा) को फोटो प्रतिया यदि कोई हों के साथ विनिवेश की टकित अथवा फोटो प्राप्तियों की आपूर्ति पट्ट कायालय, कलकत्ता द्वारा विविहत लिप्यान्तरण प्रभार, जिसे उक्त कायालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपर्यंत उसकी अदायगी पर की जा सकती है। विनिवेश की पृष्ठ संस्था के साथ प्रत्येक स्वीकृत विनिवेश के सामने नीचे वर्णित चत्र आरेंस कागजों को जोड़कर उसे 4 से गुणा करके, (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. CLASS : 98 G [GROUP VII (2)]

169601

Int. Cl⁴ : F 28 D 21/00

A HEAT EXCHANGER FOR BOILING FLOWING LIQUIDS.

Applicant : AIR PRODUCTS AND CHEMICALS, INC., OF ROUTE 222, TRENTON, NJ 18087, U.S.A., A COMPANY INCORPORATED IN THE STATE OF DELAWARE, U.S.A.

Inventors : (1) DOUGLAS LESLIE BENNETT, (2) ALEXANDER SCHWARZ, (3) ROBERT MICHEEL THOROGOOD.

Application No. 160/Mas/87 filed on 9th March, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

10 Claims

A heat exchanger for boiling flowing liquids such as liquified gas comprising two sequential heat transfer zones having different pressure drop and heat transfer characteristics,

in the same boiling channel, the surface of the first heat transfer zone having higher convective heat transfer characteristics and higher pressure drop characteristics and the surface of the second heat transfer zone being an enhanced nuclear boiling heat transfer surface with a lower pressure drop characteristics; wherein the length of the first heat transfer zone is in the range of 10 to 60% of the total length of the said heat exchanger.

(Comp. Spec.—16 pages;

Drugs.—4 sheets)

Ind. CLASS : 136-C [GROUP-XIII]

169602

Int. Cl.⁴ : B 29 C 47/00

AN EXTRUDER FOR EXTRUDING A THREE DIMENSIONAL CELLULAR WALL.

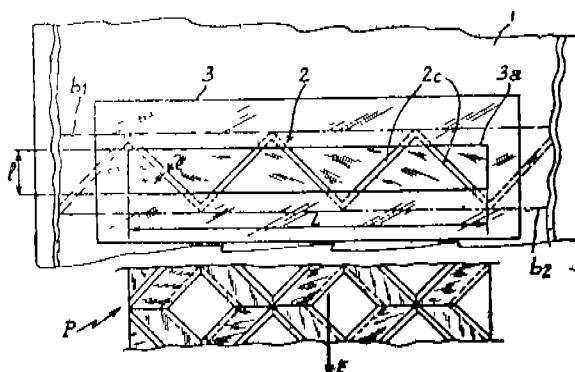
Applicant & Inventor : TROTIGNON JEAN-PIERRE, OF 13 LA ROSERAIE, 114 AVENUE DE PARIS, 78000 VERSAILLES, FRANCE, A FRENCH NATIONAL.

Application No. 261/Mas/87 filed April 7, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

13 Claims

An extruder for extruding a three-dimensional cellular wall comprising at least one element capable of sliding relative to another element in periodic motion, along a plane surface intersecting the exit direction, (A, E) of the extruded substance during operation, one of said elements being constituted by a die (1) provided with at least one substance outlet opening (2) the other element being a mask (3) provided with at least a window (3a) uncovering a portion of said substance outlet opening (2) between the closest facing pair of window edges, wherein the said substance-outlet opening (2) has at least one slot (2c) in the form of a zig-zag line, the width (c) of the said slot defining the thickness of the partition wall limiting the cells, the spacing of the closest edges of the window (3a) defining the height of the cells, and the stroke of the periodic motion is at least equal to the difference between the distance by which said closest facing edges are spaced apart and the width of the said zig-zag line measured between the opposite vertices thereof.



(Comp.—23 pages;

Drugs.—4 sheets)

Ind. CLASS : 126 D [GROUP LVIII (6)]

169603

Int. Cl.⁴ : G 01 D 5/12

A MEASUREMENT CIRCUIT FOR PROVIDING AN OUTPUT AS A FUNCTION OF AN INPUT SIGNAL.

Applicant : ROSEMOUNT INC. OF 12001 TECHNOLOGY DRIVE, EDEN PRAIRIE, MINNESOTA 55344, UNITED STATES OF AMERICA, A CORPORATION OF THE STATE OF MINNESOTA, U.S.A.

Inventors : (1) ROGER L. FRICK (2) JOHN P. SCHULTE.

Application No. 278/Mas/87 filed on 15th April, 1987

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

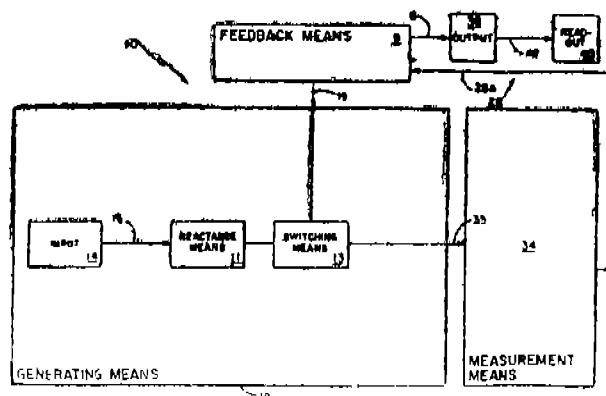
8 Claims

A measurement circuit for providing an output as a function of an input signal, comprising :

generating means having reactance means and switching means coupled to the input signal producing a generator signal consisting of plurality of charge packets as a function of the input signal;

measurement means connected to the output of the generating means for measuring the generator signal as a function of the reactance means and for providing a measurement signal as a function thereof;

feedback means coupled to the measurement means for providing a feedback signal to the generating means as a function of the measurement signal and for providing an output signal representative of the quantity of charge packets,



(Comp.—24 pages.

Drugs.—11 sheets)

Ind. CLASS : 40-B [GROUP-IV(1)]

169604

Int. Cl.⁴ : C 08 F 4/42

A PROCESS OF PREPARING A CATALYST USED IN THE PREPARATION OF A POLYOLEFIN.

Applicant : HOECHST AKTIENGESELLSCHAFT, OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY, A CORPORATION ORGANIZED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

Inventor : GERHARD THUM

Application No. 324/Mas/87 filed May 5, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

3 Claims
(No drawing)

A process of preparing a catalyst used in the preparation of a polyolefin comprising the steps of :

(a) reacting an organomagnesium compound of the formula R^1MgR^2 in which R^1 and R^2 are identical or different alkyl radicals having 2 to 12 carbon atoms with an organoaluminum compound selected from $AlR^4 n(OR')_3-n$ or the reaction product of aluminum trialkyls or aluminum dialkyl hydrides with diolefins containing 4 to 20 carbon atoms, in which R^a and R' are identical or different alkyl radicals having 1 to 8 carbon atoms and n denotes 0, 1, 2 or 3, and a primary chlorinated hydrocarbon such as herein described in an amount of 0.01 to 15 mol of the said organoaluminum compound and 0.5 to 2.5 mol of the said chlorinated hydrocarbon relative to 1 mol of the said organomagnesium compound, at a temperature from 30 to 110°C,

(b) treating the resultant solid with an electron donor such as herein described in an amount of 0.01 to 1 mol per gram atom of the magnesium present in the solid, at a temperature from 0 to 100°C,

(c) reacting the resultant product of step b with a compound of titanium or zirconium of the formula $M_2 X_2 (OR^5)_4 m$ in which M is Ti or Zr, R^5 is an alkyl radical having 2 to 10 carbon atoms, X is a halogen atom and M is an integer from 0 to 4, in an amount of 0.1 to 2 mol per gram atom of the magnesium present in the resultant product of step b, at a temperature from 30 to 120°C.

(Comp.—17 pages)

Ind. CLASS : 198-D [GROUP-XXXIV(5)] 169603

Int. Cl.⁴ : B 03 B 5/00

A PROCESS FOR PRODUCING SMALL COAL WITH REDUCED WATER CONTENT FROM WET SMALL COAL.

Applicant : THE BRITISH PETROLEUM COMPANY p.l.c., BRITANNIC HOUSE, MOOR LANE, LONDON EC2Y 9BU, ENGLAND, A BRITISH COMPANY.

Inventors : (1) STEVEN ANTHONY FLYN (2) PAUL RONALD RUTTER.

Application No. 341/Mas/87 filed May 11, 1987.

Convention date : May 10, 1986; (No 86 11462; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

9 Claims

A process for producing small coal with reduced water content from wet small coal having a size of 0.5 to 38 mm after washing comprising the steps of (a) adding to the wet small coal, 25 to 2000 ppm of a nonionic water soluble anionic surfactant based on the water content of the said small coal; (b) centrifuging the same to produce small coal with reduced water content and an aqueous effluent (c) separating the said coal with reduced water content and adding to the aqueous effluent a cationic organic compound in an amount sufficient to suppress foam formation therein, prior to discharging; said cationic compound being a quaternary ammonium salt having at least an alkyl chain having 10 to 25 carbon atoms linked directly to the nitrogen atom or to an aryl group, linked directly to the nitrogen atom.

(Comp.—18 pages;

Drwgs.—1 sheet)

Ind. CLASS : 154-F [GROUP-XXXVII(1)] 169606

Int. Cl.⁴ : B 41 F 7/02

A WEB-FED PRINTING APPARATUS.

Applicant : DRG (UK) LIMITED, A BRITISH COMPANY, OF 1 REDCLIFFE STREET, BRISTOL, BS99 7 QY, ENGLAND.

Inventors : (1) KENNETH ALBERT BOWMAN (2) ROGER FREDRICK MASLIN (3) DAVID GODDEN (4) JONATHAN HEATH RIPPER.

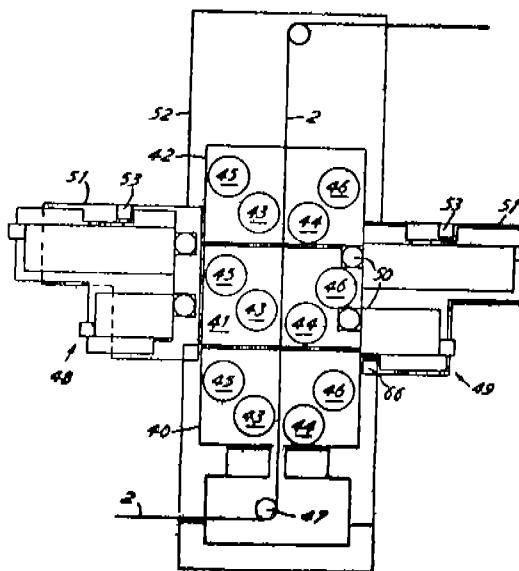
Application No. 345/Mas/87 filed May 12, 1987.

Convention date : May 14, 1986 (No. 8611722; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

9 Claims

A web-fed printing apparatus comprising a plurality of printing cartridges arranged in a fixed array for printing a web feedable through each cartridge of the array; at least one unit for containing printing medium mounted adjacent the array and drive means for moving the said unit from a position in which it interacts with one of the cartridges to a position in which it interacts with another cartridge wherein each cartridge has transfer means having at least two cylinders for transferring printing medium from the said unit to the web.



Inventors: (1) HORST KIPPENBERG (2) HANNE-LORE SCHNOEDT.

Application No. 461/Cal/1988 filed June 6, 1988

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for manufacturing a contact material, comprising (a) the base components copper (Cu) and chromium (Cr) and (b) an additional component comprising tellurium (Te) or selenium (Se), wherein the additional component is a ternary intermetallic phase of copper (Cu), chromium (Cr) and tellurium (Te) or selenium (Se) and has a tellurium or selenium content which is higher than that of the binary intermetallic phase having the stoichiometric formula Cu₂ Te or Cu₂ Se, said process comprising the following steps:

(a) forming the additional component as a ternary intermetallic phase product with a content of tellurium or selenium which is greater than 40 atom % by melting its component parts copper, chromium and tellurium or selenium, and grinding the ternary intermetallic phase product.

(b) mixing the pulverulent ternary intermetallic phase product as additional component with the base components copper and chromium.

(c) effecting further processing according to known powder metallurgical processes by pressing, sintering and optionally subsequent sealing or redensification to form a compact body.

Comp. Specn 12 pages.

Drags. 1 sheet

CLASS : 94G

169612

Int. Cl. : A47j 42/00.

"COFFEEMILL"

Applicant: LVOVSKOE TSENTRALNOE KONSTRUKTORSKO-TEKHNOLOGICHESKOE BUREO KIEVSKOGO NAUCHNO-PROIZVODSTVENNOGO OBIEDINENIA "ELEKTROBYTPRIBOR", OF LVOV, ULITSA KVITOVA, 12, USSR.

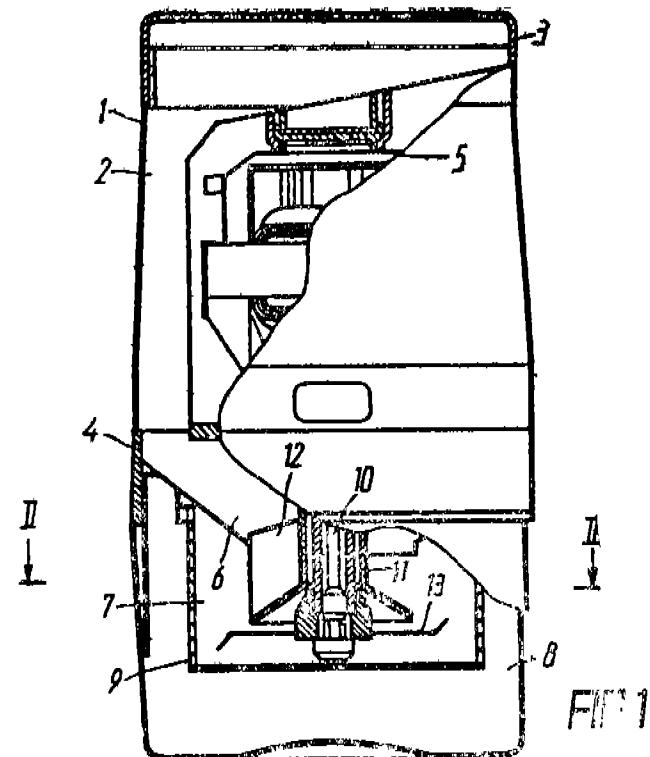
Inventors: (1) VLADIMIR ALEXANDROVICH, (2) ROMAN IVANOVICH CHMYR, (3) ANATOLY FEDOROVICH LAVROV, (4) LJUDMILA KRISTOVNA STREZOVA.

Application No. 462/Cal/1988 filed June 6, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A coffeemill comprising a loading bin with a cover, a vertical cylindrical cup with a perforated side wall, a funnel for communicating the cup with the loading bin, a limiting member of the cup working volume made in the form of a variable in section body of revolution installed on a drive shaft inside the cup, and a blade disposed on the end of this shaft; characterized in that the limiting member is provided with vertical ribs installed tangent to the generatrix thereof, and a lower base of the cone of a funnel is disposed in the immediate vicinity of upper edges of the ribs of the limiting member.



Compl. Specn. 9 pages.

Drags. 1 sheet.

CLASS : 15-C

169613

Int. Cl. : F16c 17/00.

"LUBRICATED BEARING APPARATUS FOR HYDRAULIC MACHINERY".

Applicant: (1) KITACHI LTD., 6 KANDA SURUGADAI 4-CHOME, CHIYODA-KU, TOKYO JAPAN; AND (2) THE KANSAI ELECTRIC POWER CO. INC., 3-27, NAKANOSHIMA-3-CHOME, KITA-KU, OSAKA, JAPAN.

Inventors: (1) HISAO INOUE (2) ICHIRO HITOMI, (3) OSAMU SUGIMOTO, (4) TEIJI HORITA.

Application No. 463/Cal/1988 filed June 6, 1988.

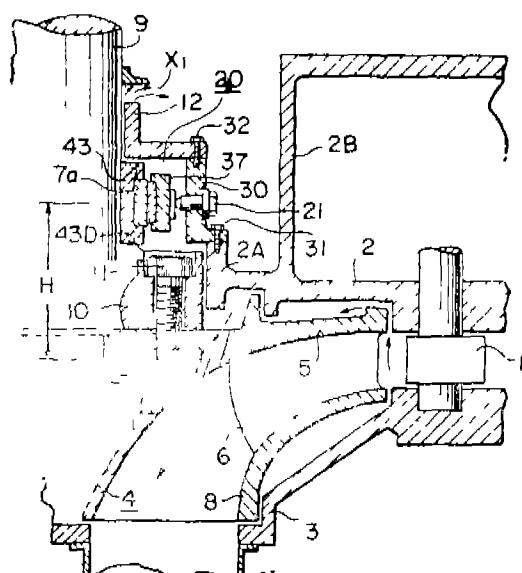
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A lubricated bearing apparatus for hydraulic machinery, comprising a runner mounted on the tip of the main shaft, an upper cover covering said runner, a bearing supporting plate which extends upward from said upper cover and which is formed with threaded holes, adjusting screws inserted through said threaded holes, reinforcing support plates disposed in contact with said adjusting screws bearing ceramic sliding plates mounted on said reinforcing support plates, at least one rotary-side sliding plate disposed in contact with said bearing ceramic sliding plates, and a main shaft sleeve member which is mounted on the main shaft and to which said rotary-side sliding plate is fixed, said adjusting screw being rotatable to bring said bearing ceramic sliding plates into press contact with said rotary-side sliding plate,

said rotary-side ceramic sliding plate being a rotary-side ceramic sliding plate formed of a ceramic material,

said bearing apparatus further comprising engagement portions formed in one side surface of said rotary-side ceramic sliding plate, at least one receiving groove which is formed in the outer peripheral surface of said main shaft sleeve member and which receives said rotary-side ceramic sliding plate, and preventing portions which are formed in portions of said main shaft sleeve member that correspond to said receiving groove and which engage with said engagement portions.



the wheel brake to cause a second wheel speed departure after said first wheel speed departure has been corrected, said control means operable to selectively open said dump valve means after said second wheel speed departure has been detected to selectively reduce pressure to the selected wheel brake to a second predetermined pressure greater than said first predetermined pressure.

Compl Specn. 50 pages.

Drgs. 3 sheets.

CLASS : 126A

169616

Int. Cl. : G01b 9/00.

LASER RAY PROJECTION AND REMOTE MEASURING DEVICE COMPRISING AT LEAST TWO OF THESE PROJECTORS.

Applicant : NEYRPIC FRAMATOME MECANIQUE, 1 PLACE DE LA COUPOLE, 924800 COURBEVOIE, FRANCE.

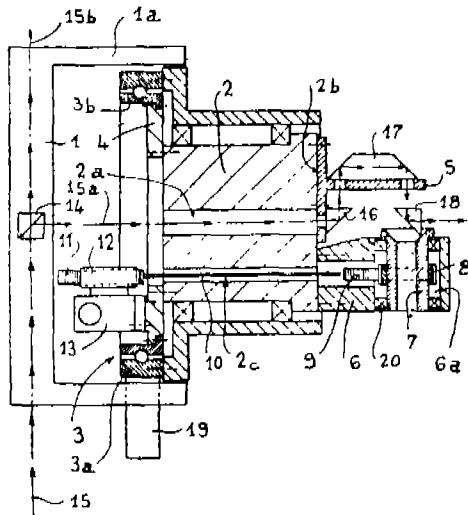
Inventors : LUCIEN BOUILLOT (2) BERNARD BARTHELEMY.

Application No. 489/Cal/1988 filed June 16, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A laser ray projector for selectively projecting a laser ray from a source comprising a fixed casing, a spindle mounted within said casing so as to be rotatably moved with respect thereto about a first geometrical axis, said spindle having inner and outer portions, a head mounted to said outer portion of said spindle, means for rotating said head about a second geometrical axis generally perpendicular to said first geometrical axis, a bore through said spindle and oriented along said first geometrical axis, optical means for directing the laser ray from the source through said bore and thereafter into said second geometrical axis of said head, and a prism carried by said head for reflecting the laser ray from said optical means in a moveable plane containing said first geometrical axis of said spindle.



Compl. Specn. 12 pages.

Drgs. 2 sheets.

CLASS : 76-B

169617

Int. Cl. : F 16 b 7/04.

BEAM CLAMP.

Applicant : M/S. ELECTROMETAL LTD. 3C, CAMAC STREET, 7TH FLOOR, CALCUTTA-700 016, WEST BENGAL, INDIA.

Inventor : HARI PRASAD BUDHIA.

Application No. 494/Cal/1988 filed June 16, 1988.

Complete Specification left on April 7, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A beam clamp having at least three parts, namely a first part, an intermediate part and a final part, formed integrally in that order, the said first part and the final part being angularly disposed from the respective ends of the said intermediate part, the said first part and the said second part being of different lengths, continuous flange members being provided on either sides of the said three parts from the tip of the first part to the tip of the last part and wherein, the intermediate part is provided with securing means for securing the same to a beam while the said first part and the final part are provided with securing means for securing necessary components thereto.

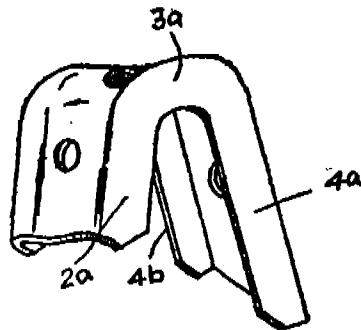


Fig 1

Compl. Specn. 7 pages.

Drgs. Nil

Prov. 4 pages.

Drgs. 1 sheet.

CLASS : 128F

169618

Int. Cl. : A61m 3/00, 5/00, 7/00.

"SYRINGE".

Applicant : AGVEN MEDICAL CORPORATION LIMITED, 38, FINSBURY SQUARE, LONDON, EC2A 1PT, ENGLAND.

Inventor : MARC KOSKA.

Application No. 511/Cal/1988 filed June 22, 1988.

Convention date June 25, 1987, No. (8714923), (U.K.) and January 29, 1988, No. (8801992), (U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

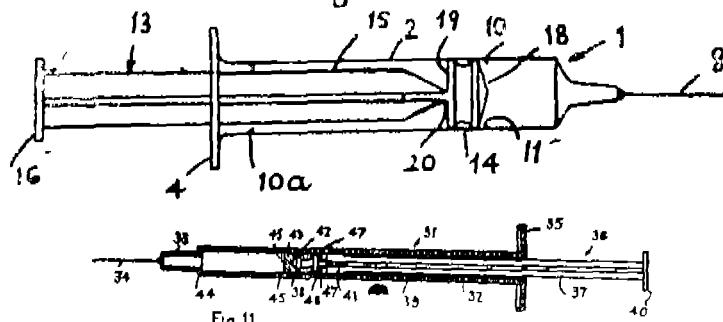
22 Claims

A syringe comprising a barrel and a plunger in slidably and sealing engagement with the inner wall of the barrel, the barrel having projection means and the plunger having breakable means, characterised in that the projection means (10; 45; 75) project from the inner wall (9; 39) of the barrel (2; 32; 71) and into the path of movement of the plunger stopper (14; 38) and in that the breakable means is integral with at least a part of the plunger rod (15; 37; 75) and constitutes a breakable connection (20; 48; 79) between said at least one part of the plunger rod (15; 37; 76) and the plunger stopper (14; 38) the arrangement being such that during either one of advance and withdrawal of the plunger (13; 37; 74a 74b,) engagement of the

plunger with the projection means (10; 45; 73) causes the breakable connection (20; 48; 79) to break and thus the

plunger stopper (14; 38) to break away from the said atleast one part of the plunger rod (15; 37; 76).

Fig. 3



Compl. Specn. 26 pages.

Drgs. 13 sheets.

CLASS: 127-I

169619

Int. Cl. F16d 3/00.

"SWIVEL COUPLING"

Applicant: NETZSCH-MOHNOPUMPEN GMBH, LIEBSTRABE 28 8264 WALDKRAIBURG, FEDERAL REPUBLIC OF GERMANY.

Inventors: (a) ERICH SCHLECHTER (b) JOHANN KREIDL (c) GUNTHER HANTSCHK.

Application No. 513/Cal/1988 filed June 23, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A swivel coupling, especially for use on a universal-joint shaft of an eccentric worm machine, comprising two pairs of axial force transmitting coupling members (22, 24) each such pair including a ball socket (22) and a spherical segment (24) supported therein,

a pair of torque transmitting coupling members (26, 28) arranged between the two pairs of axial force transmitting coupling members (22, 24),

a housing (20) which encloses the said pairs of coupling members (22, 24, 26, 28) and includes an annular cavity (42) between each of the two pairs of axial force transmitting coupling members (22, 24) and the pair of torque transmitting coupling members (26, 28), and

a lubricant inlet opening (44) which is formed in the housing (20), opens into one of the annular cavities (42), and comprises a closure member (46), wherein an air outlet opening (54) is provided at the housing (20) at least approximately diametrically opposite the lubricant inlet opening (44) and in communication with the other one of the two annular cavities (42), said air outlet opening (54) likewise comprising a closure member (56).

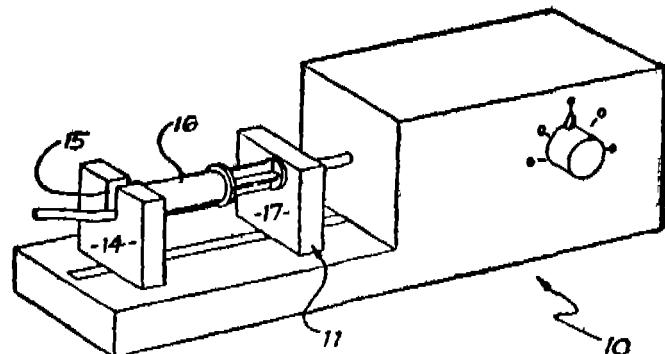


FIG. 1

Comp. Specn. 13 pages.

Drgs. 2 sheets.

CLASS: 128-F

169620

Int. Cl.: A61m 5/20

SLOW INJECTION DEVICE.

Applicant: NOVA MEDICAL PTY. LIMITED, 80 KING WILLIAM STREET, ADDADIE, S.A. 5000, AUSTRALIA.

Inventor: KENNETH ALLAN WALLACE.

Application No. 519/Cal/1988 filed June 27 1988.

Convention date June 25, 1987, No. (PI 2710), (AUSTRALIA).

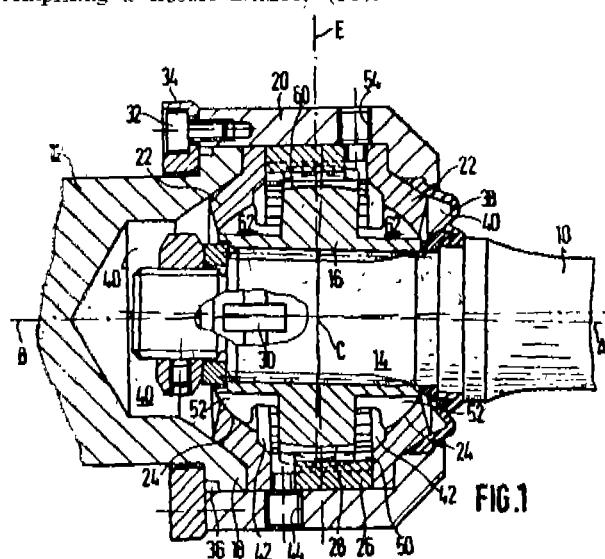
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A slow injection device comprising holding means to hold a syringe, mechanically actuatable energy storage means adapted to apply a force to a syringe held by the holding means so as to bias the syringe to a condition in which the contents thereof are expelled therefrom, and rate controlling means controlling the rate of release of energy from the energy storage means.

Compl. Specn. 9 pages.

Drgs. 4 sheets.



(2) SMS SCHLOEMANN-SIEMAG AKTIENGESELLSCHAFT, OF EDUARD-SCHLOEMANN-STRASSE 4, 4000 DUSSELDORF 1, FEDERAL REPUBLIC OF GERMANY, BOTH GERMAN COMPANIES.

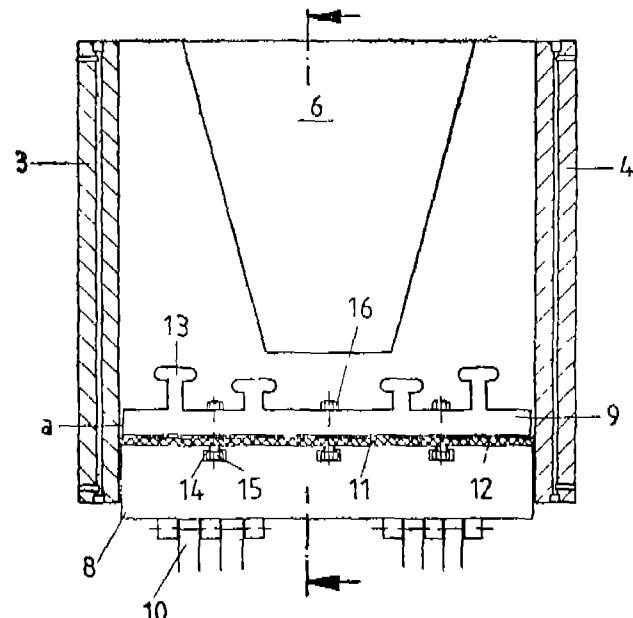
Inventors : (1) HORST GROTHE (2) PETER BOESE (3) MANFRED KOLAKOWSKI (4) HERMANN LAX.

Application No. 15/Mas/87 filed January 13, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Madras Branch.

6 Claims

A dummy bar head for a continuous steel strip casting plant comprising a base part, a refractory gasket and melt directed projections, characterised in that the projections (13) are part of a connecting elements (9) fixed on the upper side of the base part (8) and laterally defining a narrow gap (a) to the mould walls (1, 2, 3, 4).



Comp. 7 pages.

Drgs. 1 sheet.

Ind. CLASS : 99 A [GROUP-XL (4)]

169622

Int. Cl. : A 47 J 27/08 & F 16 J 12/00.

STEAM PRESSURE COOKING POT.

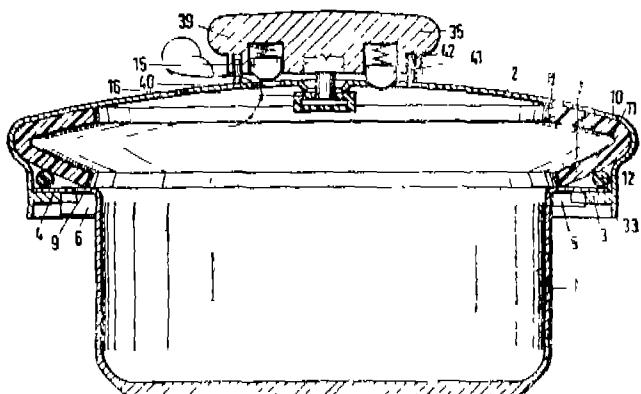
Applicant & Inventor : DR. RER. NAT. HANS-GEORG BOEHM OF KELLERGRUNDWEG 13, 6242 KRONBERG/TS, WEST GERMANY, A WEST GERMANY NATIONAL.

Application No. 394/Mas/87 filed on 27th May, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Madras Branch.

11 Claims

Steam pressure cooking pot consisting of a container (1; 17; 50) for accommodating the product to be cooked, a cover (2; 18) with safety valve (15; 35) capable of being placed thereupon, a locking (closing) means for clamping container and cover to one another in the closed condition characterised in that a seal (11) is disposed between cover and the container with a sealing lip (7; 21; 64) of the seal pointing radially inwardly lying against the cover (2; 18) or the container (1; 17; 50) and between the sealing lip (7; 21; 64), the cover (2; 18) and/or the container (1; 17; 50), a slide element (12; 100) is provided as a levered support for the lifting movement of the sealing lip (7; 21; 64).



Comp. Spec. 17 pages.

Drgs. 12 sheets.

Ind. CLASS : 206-E & 146-D
[GROUPS-LXII & XXXVIII(2)]

169623

Int. Cl. : H 01 L 25/00, G 03 H 1/04.

A METHOD OF MANUFACTURING INTEGRATED CIRCUITS USING HOLOGRAPHIC TECHNIQUES.

Applicant : HOLTRONIC TECHNOLOGIES LIMITED, ROLLS HOUSE, ROLLS BUILDING, LONDON EC4, ENGLAND, A BRITISH COMPANY.

Inventor : NICHOLAS JOHN PHILLIPS.

Application No. 462/Mas/87 filed June 24, 1987.

Convention date : June 30, 1986; (No. 86.15908; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Madras Branch.

2 Claims

A method of manufacturing integrated circuits using holographic techniques comprising the steps of :—

(a) providing a first recording medium which exhibits negligible scatter and high resolution without shrinking or distorting during the course of manufacture;

(b) forming a volume holographic image of the integrated circuit on the first recording medium by interference between an input beam of coherent light which passes through a mask window containing the design of the integrated circuit, and a first reference beam of coherent light which is totally internally reflected at the top surface of the recording medium, the interference taking place both with the incident and the reflected reference beams;

(c) removing the mask window and placing in its place a silicon slice having a second recording medium on which the reconstructed holographic image is to be reproduced;

(d) forming an image of the hologram on the second recording medium by illuminating the hologram with a second reference beam which travels substantially in the reverse direction from the first reference beam which formed the hologram; and

(e) repeating step (d) with further silicon slices, each having second recording mediums, as many times as required to manufacture a plurality of silicon slices containing an image of the integrated circuit formed thereon.

Ind. CLASS : 39 C, 39 K & 139 D [GROUPS III & IV(2)]
169625

Int. Cl.: C 01 B 3/32 & C 01 C 1/04.

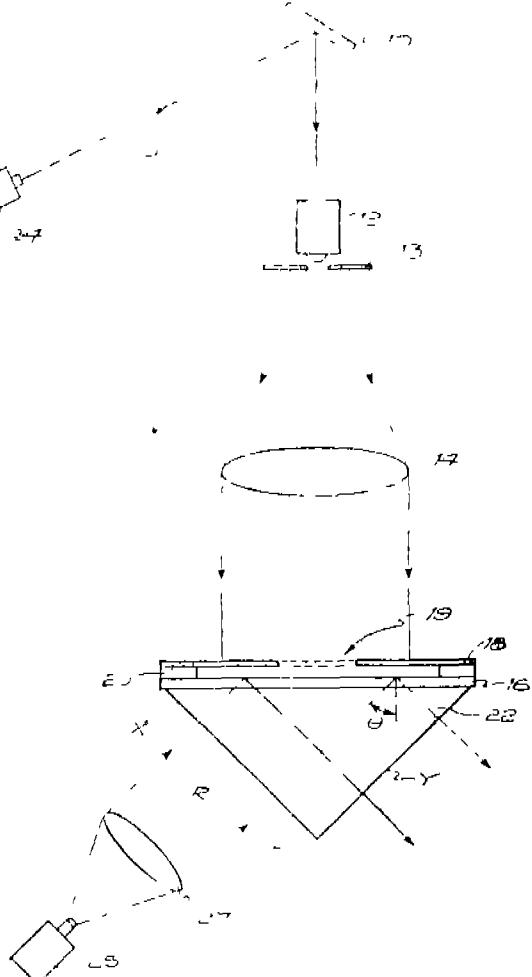
AN IMPROVED PROCESS FOR THE PRODUCTION
OF AMMONIA AND CARBON DI OXIDE.Applicant : LINDE AKTIENGESELLSCHAFT, A GER-
MAN COMPANY, OF ABRAHAM-LINCOLN-STRAXE 21,
D-6200 WIEZBADEN, FEDERAL REPUBLIC OF GER-
MANY.Inventors : (1) WALTER SCHRAMM (2) DR. ULRICH
HILDEBRANDT (3) REINHARD GLATTHAAR.

Application No. 480/Mas/87 filed on 3rd July, 1987.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rule, 1972), Patent Office, Madras Branch.

6 Claims

In an improved process for the production of ammonia and CO₂ from a charge gas rich in light hydrocarbons wherein the said charge gas is subjected to steam reformation to obtain cracked gas which is catalytically reacted with water resulting in a H₂ and CO₂ rich stream from which H₂ and CO₂ are separated in a known manner and the H₂ is reacted with nitrogen in an ammonia synthesis reactor to produce ammonia, the improvement comprising at least a partial flow of the charge gas, prior to feeding into steam reformation, is reacted with oxygen or oxygen-rich gas, optionally in the presence of steam at temperatures below 3000°C and under a pressure of between 10 to 35 bars, and the gas mixture thus produced is mixed with remaining charge gas and the steam and subjected to steam reformation.



Comp. Spec. 24 pages.

Drgs. 3 sheets.

Ind. CLASS : 166 C [GROUP XLIX]
169624
Int. Cl.: B 65 G 39/02

A TUBULAR BELT CONVEYOR.

Applicant : CONTINENTAL GUMMI-WERKE AKTI-
ENGESSELLSCHAFT OF KONIGSWORTHER PLATZ 1,
3000 HANNOVER, FEDERAL REPUBLIC OF GER-
MANY, A GERMAN COMPANY.

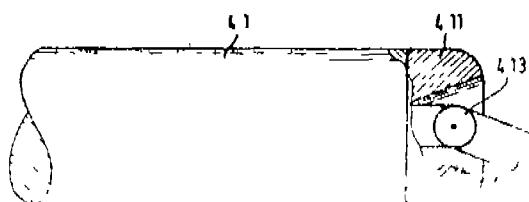
Inventor : WILHELM ENGST.

Application No. 472/Mas/87 filed on 1st July, 1987.

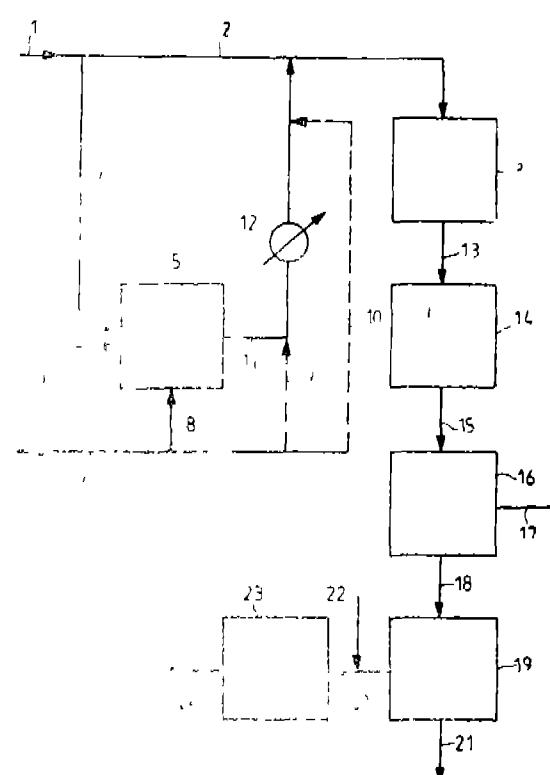
Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rule, 1972), Patent Office, Madras Branch.

9 Claims

Tubular belt conveyor having a conveyor belt made of rubber or rubber-like plastics material containing filamentary reinforcing members extending on the longitudinal direction of the belt, the conveyor belt being closable by overlapping its longitudinal edges to form a tubular belt, the said belt being supported all-round by supporting rollers (3.1, 3.2, 3.3, 4.1, 4.2 4.3) disposed in the form of roller garlands, wherein one of the said rollers (4.1) which travels along the said longitudinal edge of the belt is provided with an extension (4.11) extending at least up to the pivot joint which connects it to the next roller of the said roller garland.

Comp. Spec. 9 pages.
3—337GI/91

Drgs. 1 sheet.



Comp. Spec. 14 pages.

Drgs. 2 sheets

Ind. CLASS : 65 B 1&2 [GROUP LVII (2)] 169626

Int. Cl⁴ : H 01 F 27/02 & H 01 F 40/00.

AN FNCASED CURRENT TRANSFORMER

Applicant : THE ENGLISH ELECTRIC COMPANY OF INDIA LIMITED, AN INDIAN COMPANY, HAVING THEIR PRINCIPAL PLACE OF BUSINESS AT 19/1 G.S.T. ROAD, PALLI AVARAM, MADRAS-600 043, TAMIL NADU, INDIA.

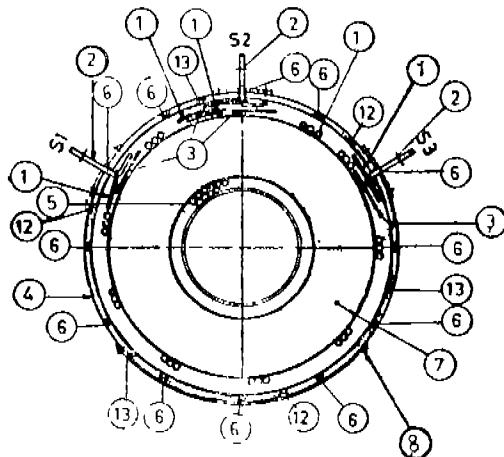
Inventor : VENKATARAMANI RAMACHANDRAN.

Application No. 513/Mas/87 filed on 17th July, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Madras Branch.

4 Claims

An encased current transformer (CT) characterized in that it comprises a thin-walled (i.e. with major load-bearing portions with thickness below 1 mm) cover formed by two identical moulded plastic component placed in rotational relationship with respect to each other and joined to give a highly rigid and electrically insulating assembly by plurality of snap-fit tongue and groove joints distributed around their circumference; at least two terminals of the said CT pressed into knockouts in the said cover; and an internal insulated magnetic core with insulation thickness 0.5 mm or less, and surrounding winding of insulated conductor, with guard pads placed around soldered joints of the terminals to prevent abrasion of wire insulation.



SECTION AT AA

Com. Spec. 11 pages.

Drgs. 3 sheets.

Ind. CLASS : 85-J [GROUP XXXI] 169627

Int. Cl⁴ : F 27 D 3/00; 5/00; 15/00.

FIRE-DOG TUBE SUPPORTED BY A COLUMN.

Applicant : STEIN HEURTEY SOCIETE ANONYME Z.A.I., DU BOIS DE L'EPINE, 91130 RIS, ORGANIS, FRANCE, FRENCH COMPANY.

Inventor : YVES BRAUD.

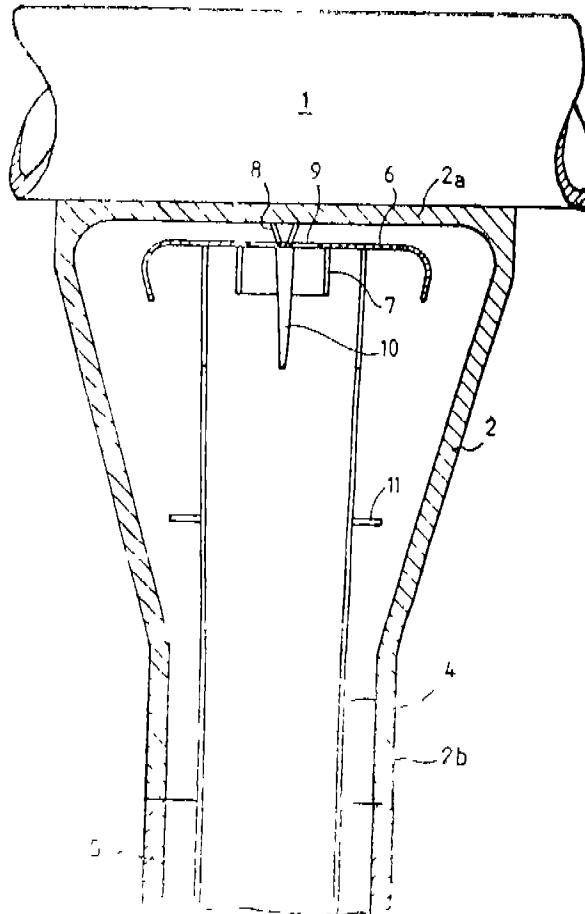
Application No. 501/Mas/87 filed July 15, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Madras Branch

6 Claims

Fire-dog tube supported by a column, characterized in that the fire-dog tube (1) rests on a support column (4, 5) through the intermediary of a moulded component (2) which has a triangular shape in the vertical plane passing through the axis of said fire-dog tube (1) and is fitted onto

the support column (4, 5), the upper face (2a) of this moulded component being closed.



Com. Spec. 5 pages.

Drgs. 1 sheet.

Ind. CLASS : 24-D [GROUP LV] 169628

Int. Cl⁴ : B 60 T 11/16.

A BRAKE PRESSURE BOOSTER AND MASTER CYLINDER ASSEMBLY.

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventor : MANFRED KAUB.

Application No. 582/Mas/87 filed August 13, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Madras Branch

8 Claims

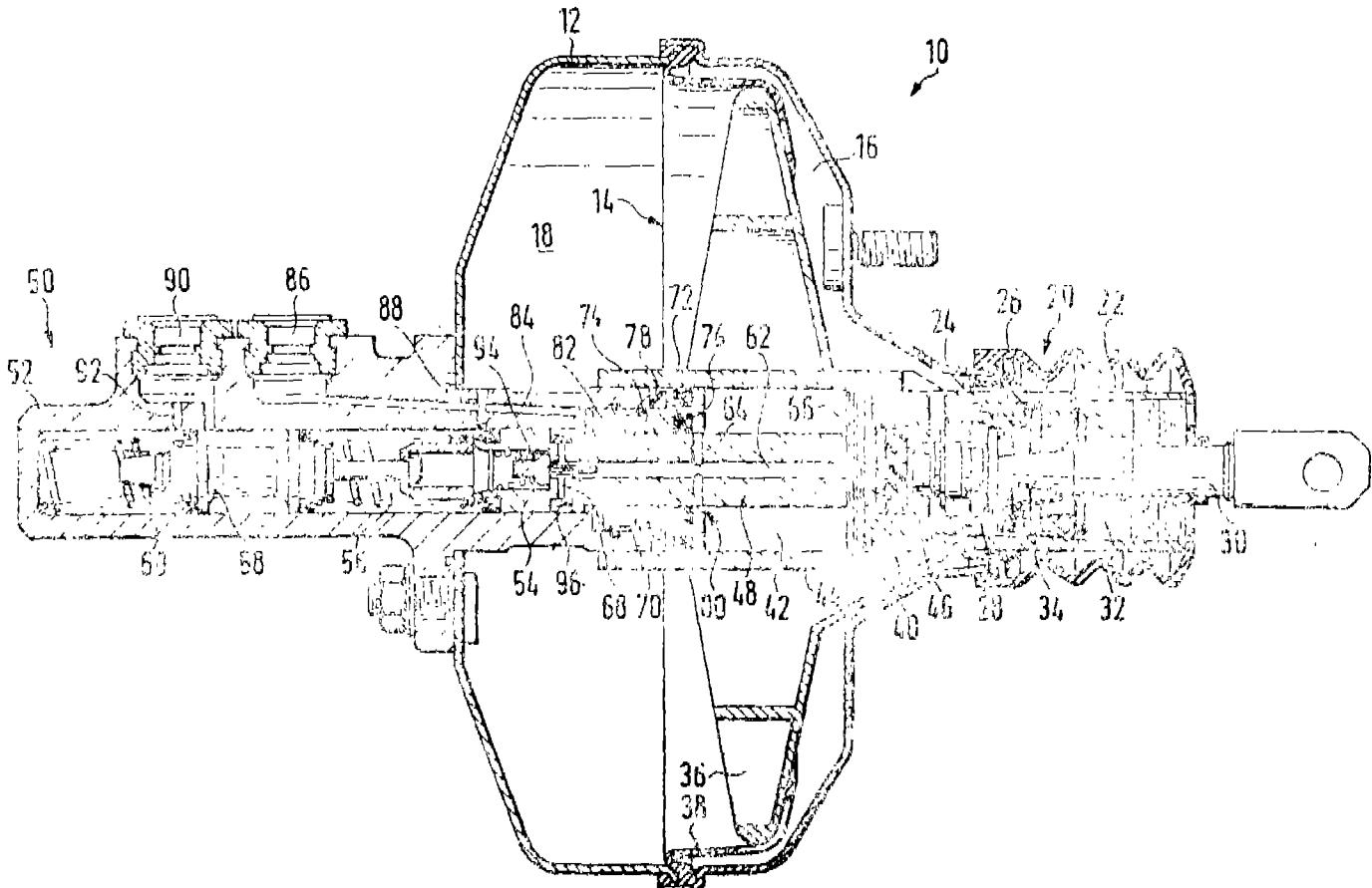
A brake pressure booster and master cylinder assembly, comprising

- a booster casing (12) in which a movable wall (14) separates two compartments (16, 18) from each other,
- control valve (20) which connects the two compartments (16, 18) with each other when it is in an inoperative position and separates the two compartments (16, 18) from each other when in an operative position, connecting one (16) of them to a source of pressure which differs from the pressure in the other compartment (18),
- a cylinder casing (52) attached to the booster casing (12), projecting into the same, and containing at least one pressure piston (54) which defines a pressure chamber (42), and is movable together with the movable wall (14) to pressurize said input chamber (42) during normal operation of said brake pressure booster, and

— a relief valve (80) adapted to relieve the input chamber (42) of pressure in case of failure of the brake pressure booster (10).

— said input piston (40) and the input chamber (42) being disposed within the booster casing (12);

— said input piston (40) forming part of the movable wall (14) and including an integral sleeve-like outer envelope (44) of the input chamber (42), said sleeve-like envelope (44) enclosing an intermediate piston (70) by a first seal (72), said piston (70) further being enclosed by the cylinder casing (52) by means of a second seal (74).



Com. Spec. 15 pages.

Drgs. 1 sheet.

Ind. CLASS : 199 F₁ [GROUP XXI (3)] 169629

Int. Cl.⁴ : D 03 D 47/18 & D 03 D 49/50

AN IMPROVED DEVICE TO GUIDE THE MOTION OF A PAIR OF WEFT CARRYING GRIPPERS INSIDE THE SHED OF WEAVING LOOMS.

Applicant : VAMATEX S.P.A.—VIA GLERA, 18-24020 VILLA DI SERIO (BG) ITALY, AN ITALIAN COMPANY.

Inventor : LUIGI PEZZOLI.

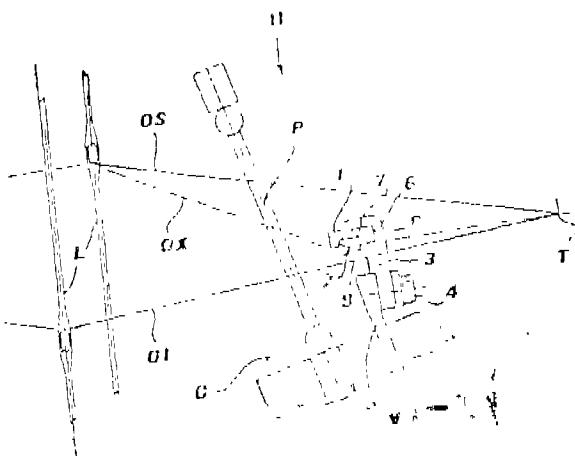
Application No. 883/Mas/87 filed on 8th December, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Madras Branch.

5 Claims

An improved device to guide the to-and-fro motion of a pair of weft carrying grippers inside the shed of weaving looms with continuous weft feed—of the type comprising

two control straps movable on a substantially horizontal plane thanks to the action of two gearwheels with reciprocating motion, and a plurality of guide elements for the straps aligned on the aley facing the reed and positioned perpendicularly thereto—characterized in that the straps comprise at least one undercut groove, and in that the guide elements are hook elements forming pairs of bilateral guides for the straps of which they engaged said undercut groove.



Com. Spec. 13 pages.

Drgs. 2 sheets.

Ind. CLASS : 5-C [GROUP-I(1)] 169630

Int. Cl. : A 01 D 11/00.

A SELF RESETTING ATTACHMENT DEVICE FOR ATTACHMENT TO AN PROJECTION SUCH AS A BAR, POLE, STEM OR A FRAME MEMBER.

Applicant & Inventor : UP PINANGADY VARADARAYA NAYAK, B.Sc. B.Ed., SCIENCE MASTER, 15-48, HAPPY VALLEY, KULSHEKAR, MANGALORE-575 005, KARNATAKA, INDIA, AN INDIAN CITIZEN.

Application and Provisional Specification No. 639/Mas/88 filed September 12, 1988.

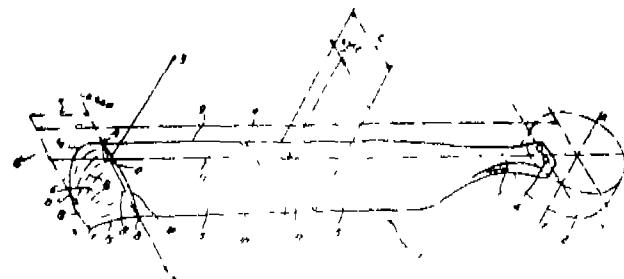
Complete Specification left 24th February, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972), Patent Office, Madras Branch.

4 Claims

A self resetting attachment device for attachment to an extended object such as a bar, rod, pole, stem, projection comprising a frame surrounding a hole for enclosing the said extended object therein, and an arm extending outwardly from the said frame characterised in that a self resetting lever is turnably secured to the arm or the frame or a member such as the closure means attached thereto, said lever provided with spring means and adapted to turn, press and return towards the said hole such that when the extended object is enclosed by the frame the lever leans against, engages and presses against the extended object whereby the lever presses against the said arm or the frame or the member to which the lever is turnably secured thereby returning the device to tilted position in which the device gets locked to the exended object.

wherein said downward slant of said blade tip extends over the whole of the span of this tip and is continuous from the connection from the current blade part as far as the end edge of said tip so that said tip follows a curvature such that its extrados is convex and its intrados is concave, the downward curvature of said blade tip being at least approximately of parabolic trend, the extension in said tip of a reference line of the current part merging with the controlled pitch variation axis of said blade, has a substantially parabolic trend, referred to a system of orthogonal axes Ox, Oy and Oz, whose origin O is situated at the connection of the reference line of said current blade part and of the reference line of said blade end, the axis Ox being aligned with the reference line of said current part and being oriented outwardly of the blade, whereas the axis Oy merges with the chord of the connection profile between said current part and said end and is oriented from the leading edge to the trailing edge and the axis Oz is oriented upwardly, namely from the intrados to the extrados of the blade, wherein said reference line of said blade tip is contained in a plane xOY passing through the axis Ox and whose plot OY in the plane yOz forms an angle y with the axis Oy and, in the plane xOY, the equation of said reference line of said blade tip is a parabolic trend function in which the coefficient of the highest degree term depends on the angle y.



Compl. Specn. 19 pages.

Drgs. 8 sheets.

Prov. Specn. 9 pages
Com. Specn 10 pages.

Drwgs. 3 sheets
Drwgs. 2 sheets.

CLASS : 4A₄ & A₈ 169631

Int. Cl. B64c 11/00, 27/46.

"A BLADE WITH CURVED END FOR A ROTARY AIRFOIL OF AN AIRCRAFT".

Applicant : AEROSPATIALE SOCIETE NATIONALE INDUSTRIELLE S.A., 37 BLD DE MONTMORENCY, 75016 PARIS, FRANCE AND ETABLISSEMENT PUBLIC DE L'ETAT DIT, 29 AVENUE DE LA DIVISION LECLERC, 92000 CHATILLON, FRANCE.

Inventors : (1) ALAIN ERIC VUILLET (2) JEAN JACQUES PHILLPE (3) ANDRE DESOPPER.

Application No. 522/Cal/1988 filed June 27, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A blade for the rotating airfoil of an aircraft having an attachment for fixing to a hub, a current part having a leading edge and a trailing edge and whose profile has a chord of constant or evolutive length C, and a tip whose span is less than 10% of the total span of the blade, which extends said current part outwardly and whose leading edge extends the leading edge of said current part rearwardly in a sweep, said tip being in addition downwardly slanted,

CLASS : 32B+47C 169632

Int. Cl. : C10h 15/00, 21/00.

"IMPROVEMENTS IN OR RELATING TO THE MEANS FOR FEEDING CARBIDE IN ACETYLENE GENERATORS".

Applicant & Inventor : TEJENDRA GARG, 15, GANESH CHANDRA AVENUE, 18TH FLOOR, CALCUTTA-700 013, WEST BENGAL, INDIA.

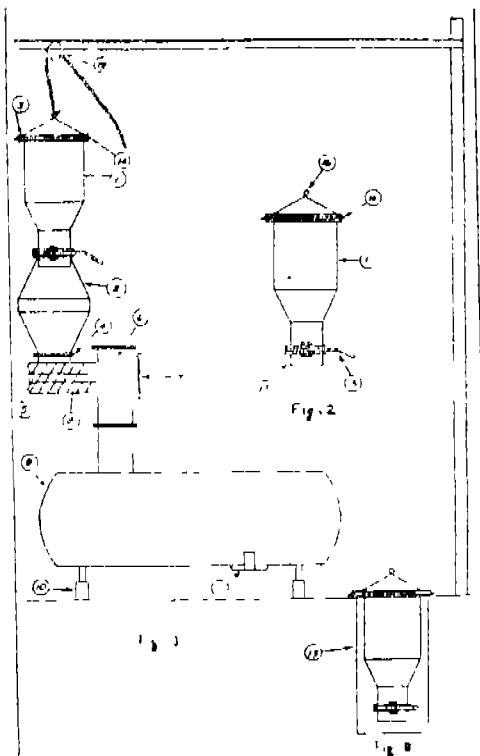
Application No. 522/Cal/1988 filed June 28, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

An improved means for feeding calcium carbide in an acetylene generator which comprises in combination :

- (a) a vessel or for charging carbide equipped with means for preventing spillage of carbide;
- (b) a receptacle, pit or bin maintained at a predetermined height for loading the said skip with carbide;
- (c) means for carrying the said skip from loading point to hopper in the acetylene generator and back, and
- (d) means for releasing carbide from the skip to the said hopper for generating acetylene in the generator.



Compl. Specn. 7 pages.

Drgs. 1 sheet.

CLASS : 14A₂

169633

Int. Cl. : H01m 4/14, 4/16, 4/20.

"METHOD OF PRODUCING LOW ANTIMONY-CONTENT TUBULAR GRIDS FOR POSITIVE ELECTRODES OF LEAD ACID STORAGE BATTERIES".

Applicant : CHLORIDE INDUSTRIES LIMITED, 59E CHOWRINGHEE ROAD, CALCUTTA-700020, WEST BENGAL, INDIA.

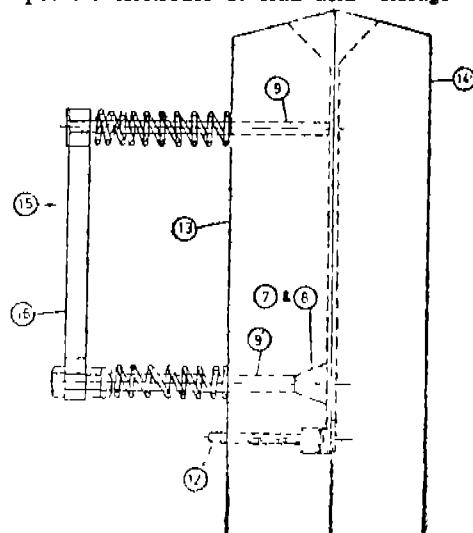
Inventor : INDRAJIT KUMAR DAS.

Application No. 523/Cal/1988 filed June 28, 1988.

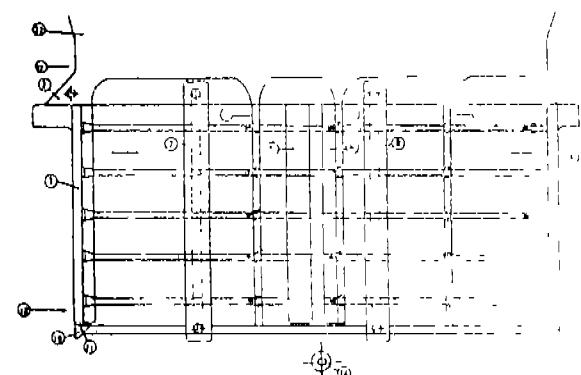
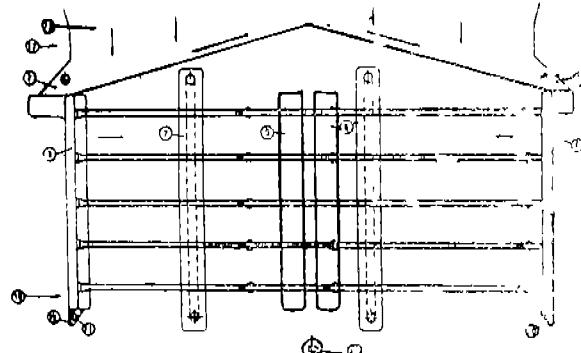
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A method of producing low antimony-content tubular grids for positive electrodes of lead acid storage batteries



wherein molten lead alloys of antimony content not exceeding 3.5% by weight for grids of length upto 500 mm and 6.5% by weight for grids of length above 500 mm, the remaining ingredients being 0.1-0.25% Sn, 0.1-0.3% As and 0.5% Cu, are fed into a mould having at least two feeding gates and cavities to form one integral bar at one end of the grids and at least one false bar in the remaining part of the grids by using known machines of gravity-feed type normally employed for manufacturing flat-plate negative electrodes of said batteries and wherein the casting is removed from the mould by means of an ejector system provided on said mould.



Compl. Specn. 14 pages.

Drgs. 3 sheets.

CLASS : 206-E

169634

Int. Cl. : G06c 7/00, 7/04, 7/09, G06c 11/00, 13/00, 15/00, 17/00, 25/00, G06d 7/00, 15/00 H03k 19/00.

"APPARATUS FOR MODIFYING A DATA ELEMENT IN A MAIN MEMORY UNIT LOCATION OF A DATA PROCESSING SYSTEM".

Applicant : DIGITAL EQUIPMENT CORPORATION, 111 POWDERMILL ROAD, MAYNARD, MASSACHUSETTS 01754, UNITED STATES OF AMERICA.

Inventors : DAVID N. CUTLER, DAVID A. ORBITS, DILEEP BHANDARKAR, WAYNE CARDOZA, RICHARD T. WITEK.

Application No. 525/Cal/1988 filed June 28, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

Apparatus for modifying a data element in a main memory unit location of a data processing system having a plurality of central processing units, comprising :

- (a) interlock means responsive to execution of an interlock instruction by one of said central processing units for preventing interlock access to said main memory location;

- (b) transfer means for transferring said data element from said main memory location to said central processing unit;
- (c) processing means for modifying said data element as determined by said instruction, said processing means including;
 - (i) first storage means for storing said data element in said said central processing unit;
 - (ii) logical means for forming a logical product of a data signal group with contents of a first register preselected in response to a selection instruction by said central processing units to form a combined data element; and
 - (iii) adding means for adding a signal group in a second register preselected in response to a second selection instruction by said central processing unit to said combined data element to form said modified data element.
- (d) said transfer means transferring said modified data element from said central processing unit to said main memory location; and
- (e) said interlock means permitting interlocked access to said main memory location after storage of said modified data element in said main memory location.

Compl. Specn. 26 pages.

Drgs. 5 sheets.

CLASS : 168B & C & F, 105C.

169635

Int. Cl. : G06c 7/00, 9/00, 13/00, 15/26, 21/04, G06d 3/00, 7/00, 9/00, 11/00, 12/00, 13/00, 15/00.

"APPARATUS FOR CONTROLLING ACCESS AND USE OF INSTRUCTION AND DATA ELEMENTS CONTAINED IN A MAIN MEMORY UNIT".

Applicant : DIGITAL EQUIPMENT CORPORATION, 111 POWDERMILL ROAD, MAYNARD, MASSACHUSETTS 01754, UNITED STATES OF AMERICA.

Inventors : DAVID N. CUTLER, DAVID A. ORBITS, DILEEP BHANDARKAR, WAYNE CARDOZA, RICHARD T. WITEK.

Application No. 526/Cal/1988 filed June 28, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

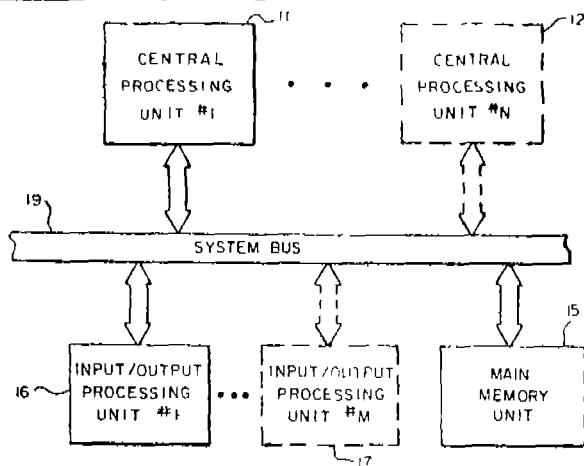
10 Claims

Apparatus for controlling access and use of instruction and data elements contained in a main memory unit by a data processor, the main memory unit divided into pages containing the elements, each page comprising a page table having at least one page table entry, said apparatus comprising :

an access privilege controller for determining access right to the elements within a page in said main memory in response to an access privilege field within a page table entry corresponding to said page; and

a use controller for determining use rights that control the uses to which the elements within a page may be put, said use controller determining said use rights in response to a use field within a page table entry corresponding to said page;

said data processor accessing and using elements within pages in said main memory in response to access rights determined by the access privilege controller and use rights determined by the use controller.



Compl. Specn. 32 pages.

Drgs. 5 sheets.

CLASS : 29-A

169636

Int. Cl. : G06c 11/00

FAULT RECOVERY APPARATUS ASSOCIATED WITH A CENTRAL PROCESSING UNIT OF A DATA PROCESSING SYSTEM.

Applicant : DIGITAL EQUIPMENT CORPORATION, 111 POWDERMILL ROAD, MAYNARD, MASSACHUSETTS 01754, UNITED STATES OF AMERICA.

Inventors : DAVID N. CUTLER, DAVID A. ORBITS, DILEEP BHANDARKAR, WAYNE CARDOZA, RICHARD T. WITEK.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A fault recovery apparatus associated with a central processing unit of a data processing system, said data processing system including a main memory unit, said central processing unit including a plurality of execution units, said execution units executing instructions from an issue unit, at least one of said execution units adapted to execute vector operations, said data processing system utilizing virtual addressing techniques, comprising :

fault detection apparatus for generating a first signal when a vector load or a vector store instruction references a data element not in said main memory unit;

first execution means for permitting completion of vector operation instructions in progress when said first signal is generated;

wherein said issue unit prevents initiation of a new vector operation instruction after generation of said first signal;

storage means for storing parameters of said instruction resulting in generation of said first signal; and

second execution means for continuing program execution using said parameters to complete an instruction resulting in a fault.

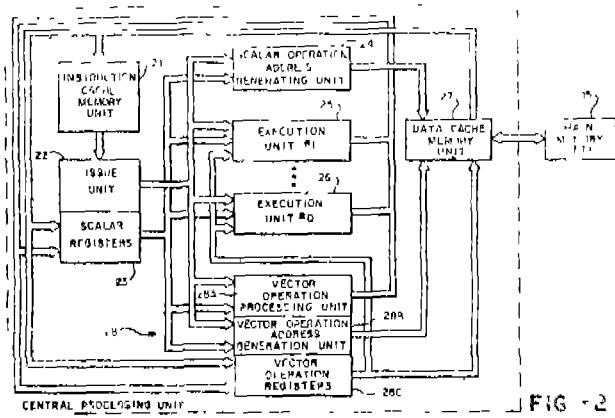


FIG. 2

Compl. Specn 27 pages.

Drgs. 4 sheets.

CLASS : 67-C

169637

Int. Cl. : G06f 15/00

"A DATA PROCESSING SYSTEM".

Applicant : DIGITAL EQUIPMENT CORPORATION,
111 POWDERMILL ROAD, MAYNARD, MASSACHUSETTS 01754, UNITED STATES OF AMERICA.

Inventors : DAVID N. CUTLER, DAVID A. ORBITS,
DILEEP BHANDARKAR, WAYNE CARDOZA, RICHARD T. WITEK.

Application No. 529/Cal/1988 filed June 28, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A data processing system restricted to executing sequences of system instructions without the use of microcode methods of operation, comprising a central processing unit including :

a plurality of specialized execution units for executing said instruments,

an issue unit for providing control signals to said execution units,

a plurality of source and destination registers associated with said execution units and issue units for holding data and instructions,

means for testing for the existence of a fault condition after execution of any said instruction including,

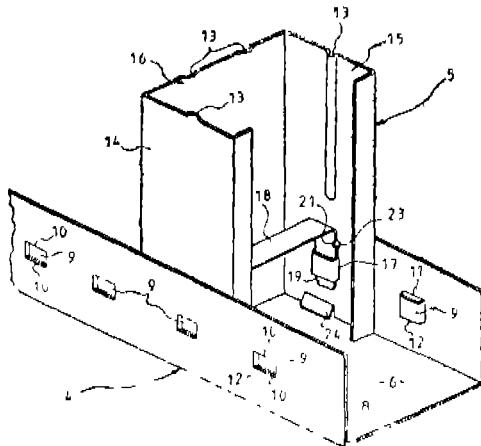
at least one summary register associated with said issue unit for storing at least a bit representing the status of one of said execution units or said registers,

said issue unit executing an instruction to generate a fault signal when said bit represents a fault condition in execution of a program.

Compl. Specn. 20 pages.

Drgs. 6 sheets.

the openings of protruding ones of said projecting impressions 9 and adjacent an inner face of a respective one of said studs 5 to lock said studs 5 to said plates.



Compl. Specn. 6 pages.

Drgs. 3 sheets.

CLASS : 27-G

169638

Int. Cl. : E04b 1/00.

"METAL WALL FRAME STRUCTURE".

Applicant : JENCORP NOMINESS LIMITED, 109 PITT STREET, SYDNEY, NEW SOUTH WALES 2000, AUSTRALIA.

Inventor : DOLPH ALLAN MEYER, WIJATMODJO SARDJONO.

Application No. 536/Cal/1988 filed June 29, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A metal wall frame structure for a building comprising a pair of spaced parallel, U-shaped rolled metal plates 4, 4 having inwardly projecting impressions 9 open top and bottom formed in a line along each of the arms of each of said U-shaped plates, a plurality of rolled C-shaped metal studs 5 interconnecting the pair of plates 4, 4 at spaced intervals with each of said studs 5 having at each end portion in opposite walls 7, 8 of said stud apertures 17 accommodating respective ones of said impressions 9 which protrude there through, and clip elements 18 inserted through

CLASS : 32F3(d)

169639

Int. Cl. C07d 307/00, 307/93, 307/935.

IMPROVED PROCESS FOR THE PREPARATION OF SUBSTITUTED FURANONES.

Applicant : QUANTUM CHEMICAL CORPORATION, 99 PARK AVENUE, NEW YORK, UNITED STATES OF AMERICA.

Inventors : A. FREDERICK ELSASSER, THOMAS J. KORTE.

Application No. 551/Cal/1988 filed July 4, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

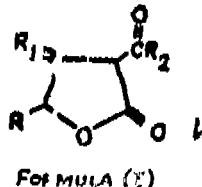
A process for preparing substituted furanones of the formula (I) of the accompanying drawings wherein R and R₁ are hydrogen or C₁₋₈ alkyl and R₂ is a C₁₋₂₀ hydrocarbon radical or -O-hydrocarbon radical from 1 to 20 carbon atoms which comprises :

Contacting an epoxide of the formula (II)

where R and R₁ are as previously defined with a beta-diketone compound of the formula (III)

Where R₂ is as previously defined and X is an alkoxy, cycloalkoxy or an aryloxy leaving group, in a molar ratio of the epoxide to beta-diketone of from 1:1 to 1:3, in the presence of an aqueous base while maintaining the temperature of the reaction mixture at or below about 40°C,

acidifying the reaction mixture to a pH of between 4 and 7, and recovering the substituted furanone product by a conventional method.



Compl. Specn. 31 pages.

Drgs. 1 sheet.

CLASS : 146A

169640

Int. Cl. : G01b 3/00, 5/00

"DEVICE FOR MEASURING DEPTH OF LAKES RIVERS SEAS AND OCEANS"

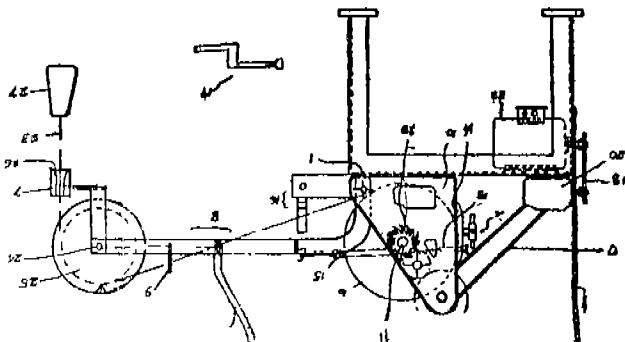
Applicant & Inventor, DR. ANANDA CHANDA, AND SANTOSH KUMAR CHANDA, 19B GORAPADA SARKAR LANE, CALCUTTA-700 067, WEST BENGAL.

Application No. 555/Cal. 1988 filed July 5, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A device for measuring the depth of lakes, rivers, seas and oceans comprising a frame on which there is provided a rotatable wire drum on which steel or like wire is coiled, a boom protruding away from the frame and having at its end remote to the frame a pulley/wheel for supporting and guiding the wire emerging from the drum, a sinker held at the free end of the wire movably suspended vertically from the wheel, means for rotating the drum, a counter provided in the path of the wire for indicating the length of the wire decoiled from the drum, driving means for rotating the drum; and clutch means for connecting and disconnecting the driving means to the drum.



Compl. Specn. 13 pages.

Drgs 1 sheet.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration of the design included in the entry.

Class. 1. No. 163256. Ram Lal, an Indian National, trading a Globe Marketing Agency, 3526/211, Shakuntla Market, 11nd Floor, Gali Charan Dass, Hauz Quazi, Delhi-110 006, India, "Door Safety Chain". 23rd May, 1911.

Class. 1. No. 163282. Hawkins Cookers Limited, F-101, Maker Towers, Cuffe Parade, Bombay-400 005, Maharashtra, India, an Indian Company. "Pressure Cooker". 4th June, 1991.

Class 1. No. 163319. Whitehome Appliances Private Limited, 1/358-Than Singh Nagar, Anand Parbat, New Delhi-110 005, India, an Indian Company. "Soda Making Machine". 19th June, 1991.

Class 3. No. 163135. Vinkas General Carbon I limited, B-5/2, Okhla Ind. Area, Phase II, New Delhi-110 020, India (In Indian Company incorporated under the Indian Companies Act, 1956). "Refill Pack for Computer". 12th April, 1991.

Class 3. No. 163369. Tejas Plastic, 139-C, Bombay Talkies Compound, Dadiseth Road, Malad (West) Bombay-64, State of Maharashtra, India, an Indian Proprietary firm whose proprietor is Mukesh Chimanlal Shah, of Indian National and of above address. "Tray With Lid". 3rd July, 1991.

Class 3. No. 163406. Elite Plastic Industries, an Indian Proprietary concern, 4401, Street Lotan Jat, Pahari Dhiraj, Delhi-110 006, India whose proprietor is Ramesh Kumar Goel, Indian National of above address. "Bowl". 12th July, 1991.

Class 3. No. 163143. Colgate-Palmolive Company, a Delaware corporation of 300 Park Avenue, New York, New York, 10022, United States of America "Toothbrush". 15th April, 1991.

Class 3. No. 163144. Colgate-Palmolive Company, a Delaware corporation of 300 Park Avenue, New York, New York, 10022, United States of America "Toothbrush". 15th April, 1991.

Class 3. No. 163171. Arun Jain, an Indian National, trading as Comate Electronics, IX/2084, Street No. 6, Kailash Nagar, Delhi-110 031, India. "Toy". 25th April, 1991.

Class 3. No. 163519. Asian Cables Limited, an Indian Company incorporated in India, Ceat Mahal, 463 Dr. Annie Besant Road, Worli, City of Bombay-400 025, State of Maharashtra, India. "Razor Handle". 14th August, 1991.

Class. 3. No. 163520. Asian Cables Limited, an Indian Company incorporated in India, Ceat Mahal, 463 Dr. Annie Besant Road, Worli, City of Bombay-400 025, State of Maharashtra, India. "Razor Handle". 14th August, 1991.

EXTENTION OF COPYRIGHT FOR SECON PERIOD OF FIVE YEARS

Nos. 158765, 158766, 158781, 157163
160533, 160554, 160555

.... Class-10.

R. A. ACHARYA,
Controller General of Patents,
Designs and Trade Marks.

प्रबन्धक, भारत सरकार मूल्यासव फरीदाबाद द्वारा मुद्रित
एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1991

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